Supporting Information

Fine Tuning of Optical Signals in Nanoporous Anodic Alumina Photonic Crystals by Apodized Sinusoidal Pulse Anodisation

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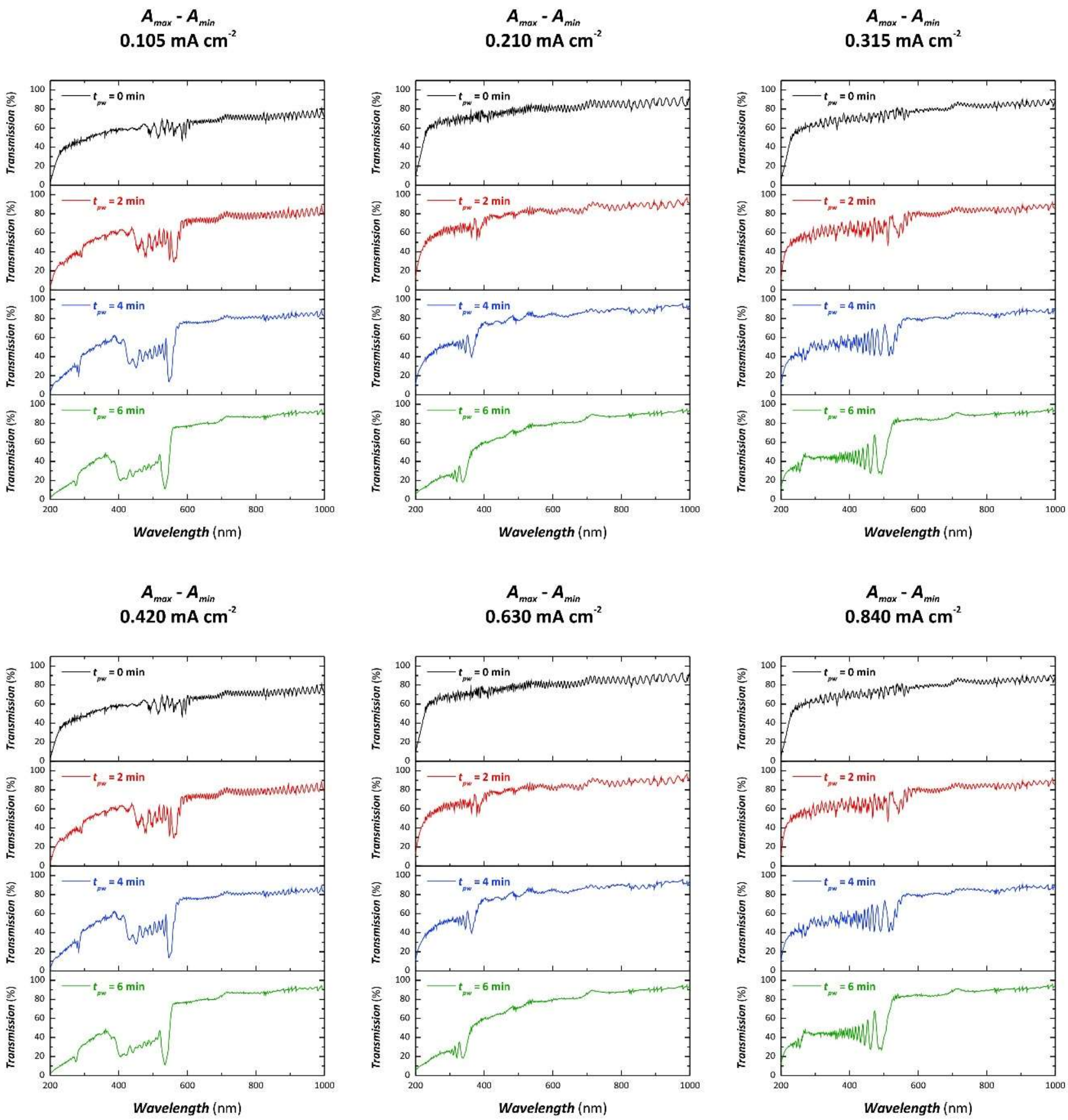

Figure S1. UV-visible-NIR transmission spectra of NAA-GIFs produced by ASPA using a linear positive apodization function at different pore widening times.

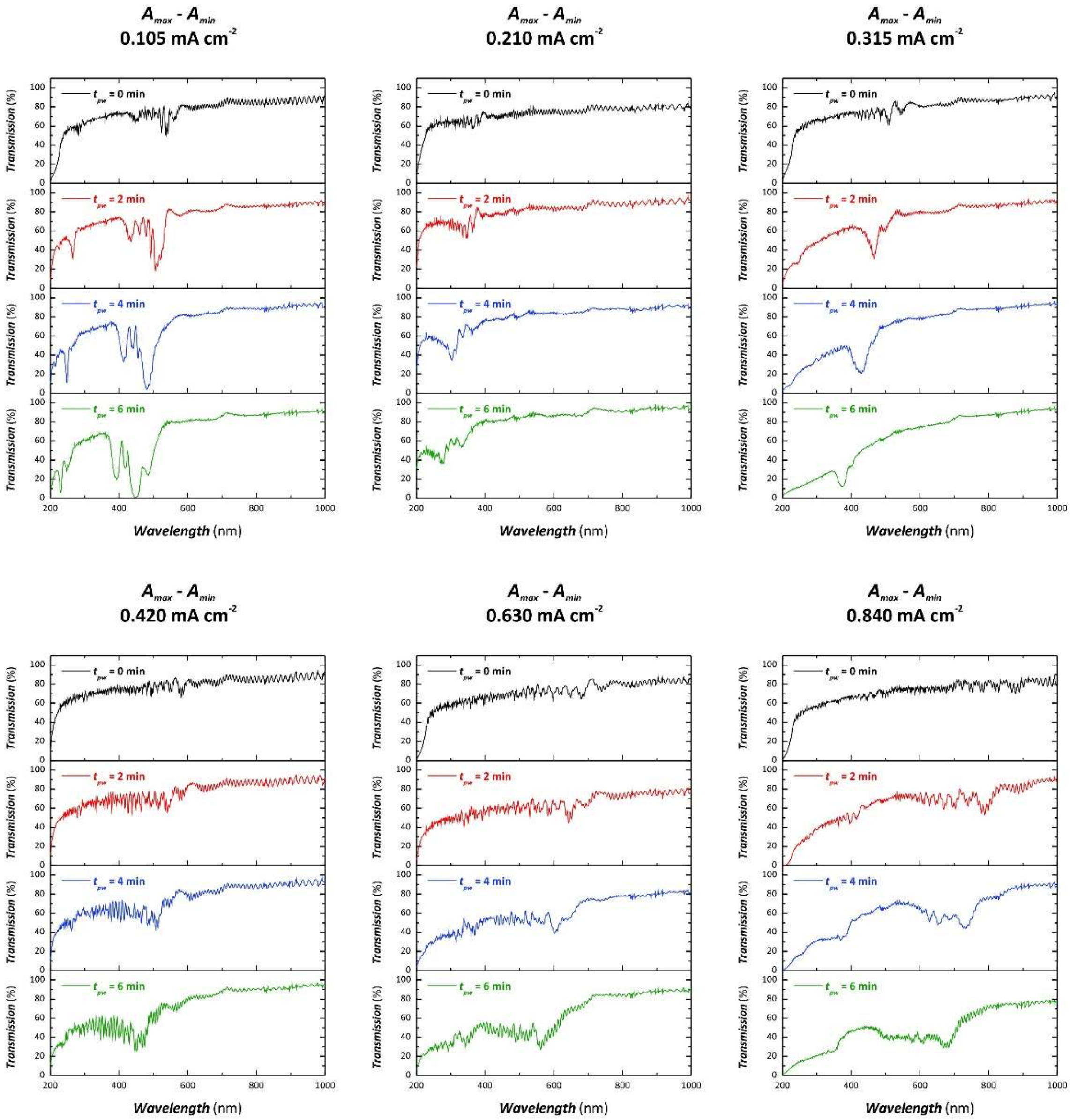

Figure S2. UV-visible-NIR transmission spectra of NAA-GIFs produced by ASPA using a linear negative apodization function at different pore widening times.

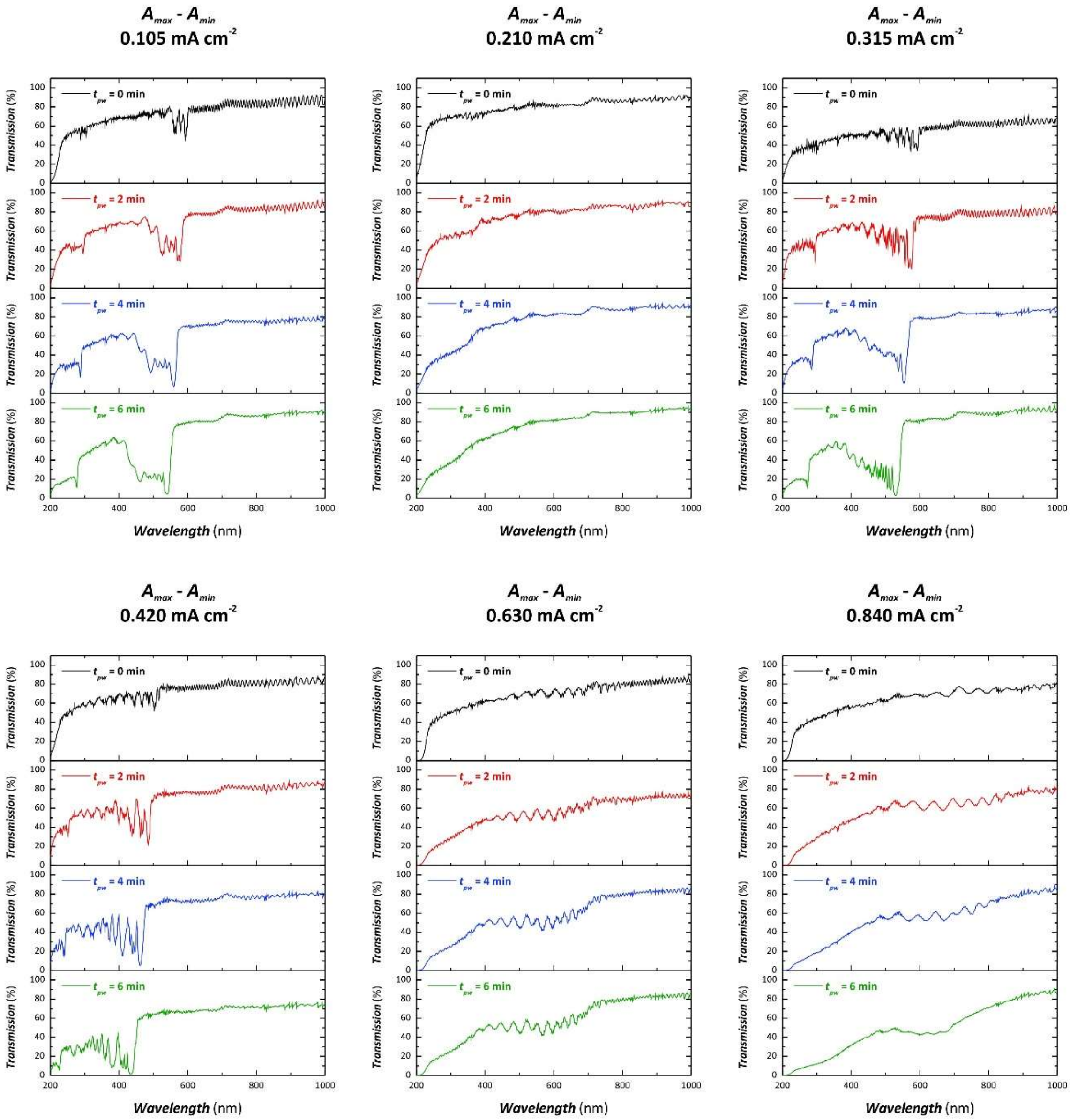

Figure S3. UV-visible-NIR transmission spectra of NAA-GIFs produced by ASPA using a logarithmic positive apodization function at different pore widening times.

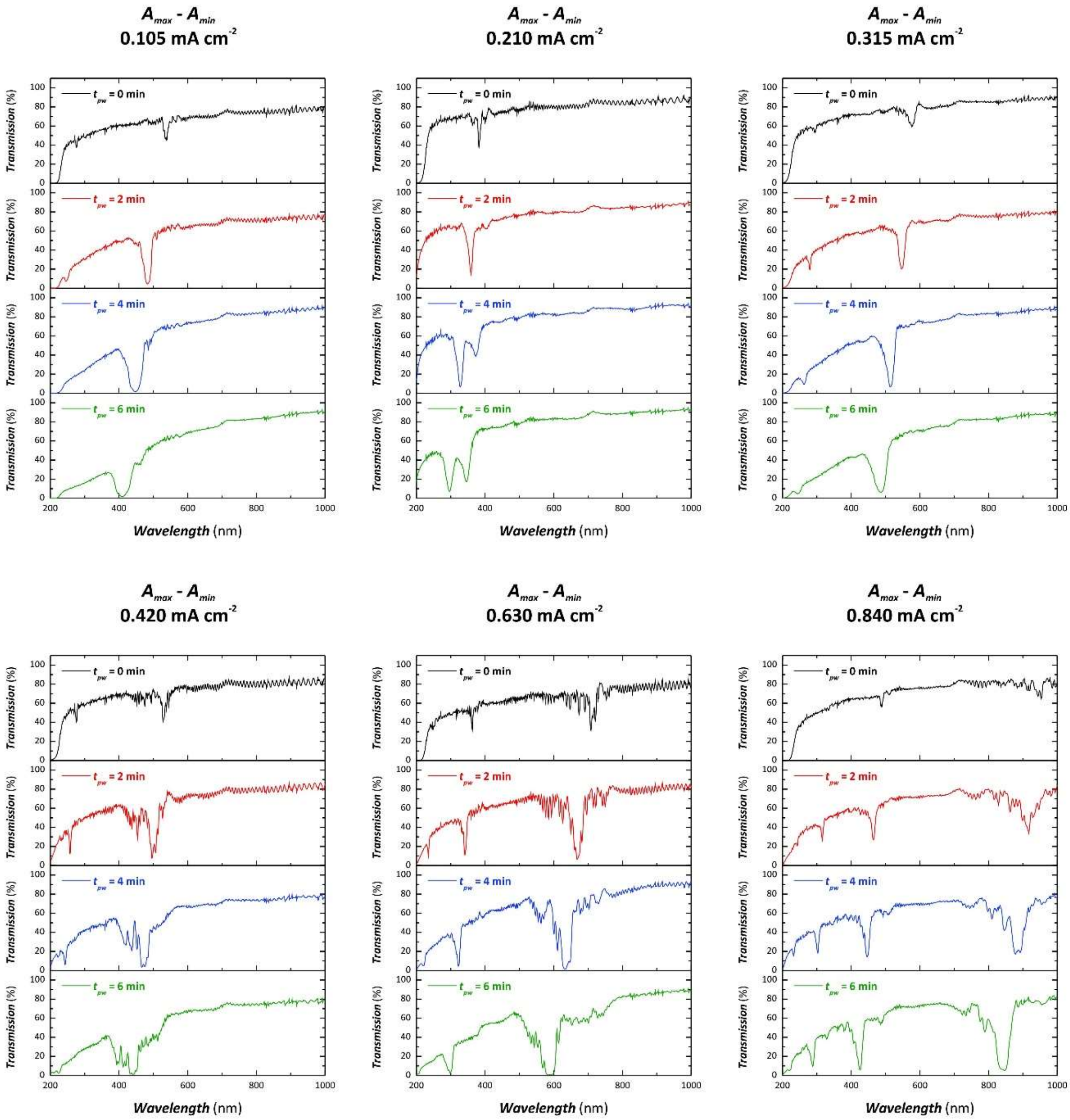

Figure S4. UV-visible-NIR transmission spectra of NAA-GIFs produced by ASPA using a logarithmic negative apodization function at different pore widening times.

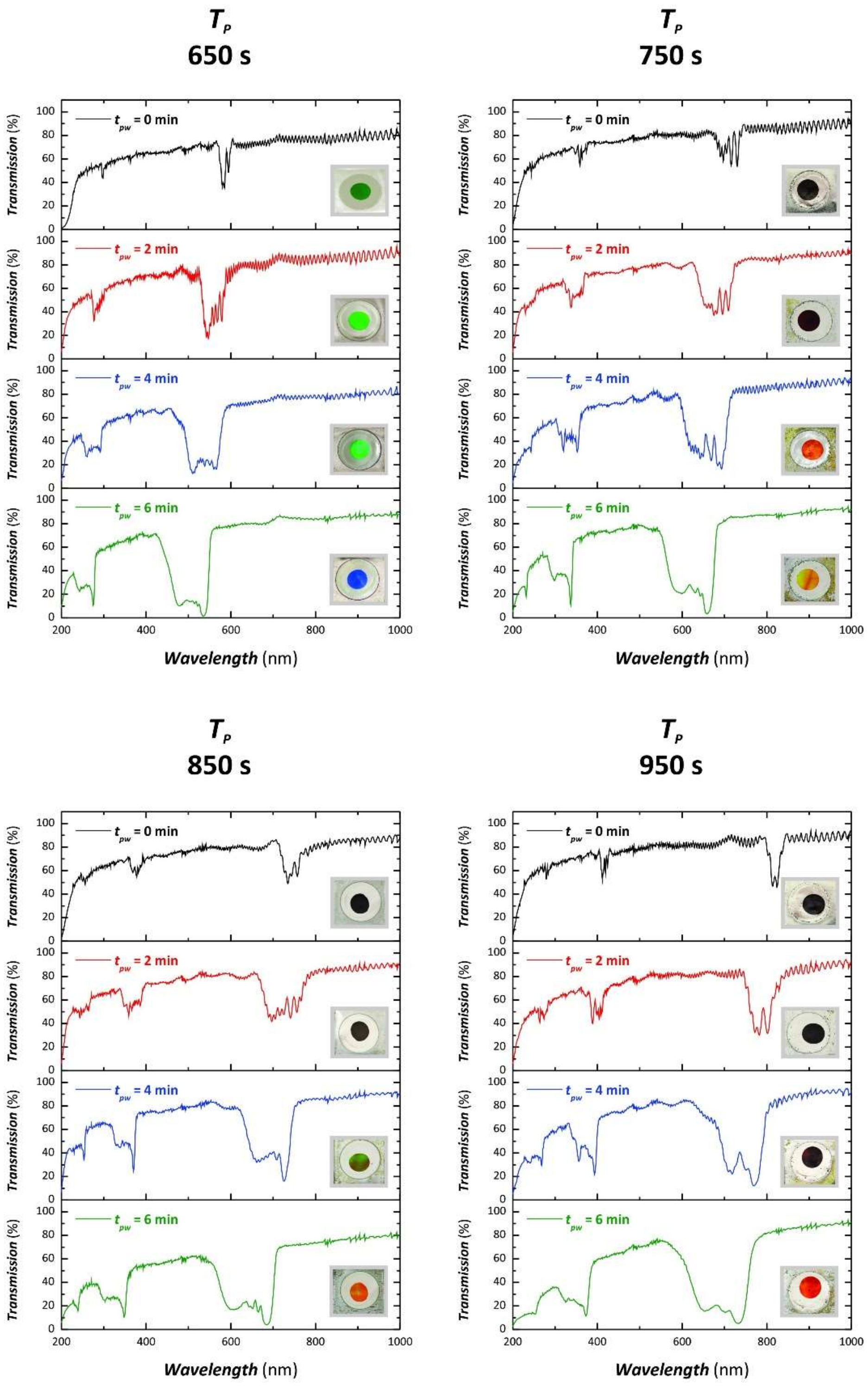

Figure S5. UV-visible-NIR transmission spectra and digital pictures of NAA-GIFs produced by SPA (non-apodized) as a function of the anodisation period and the pore widening time.

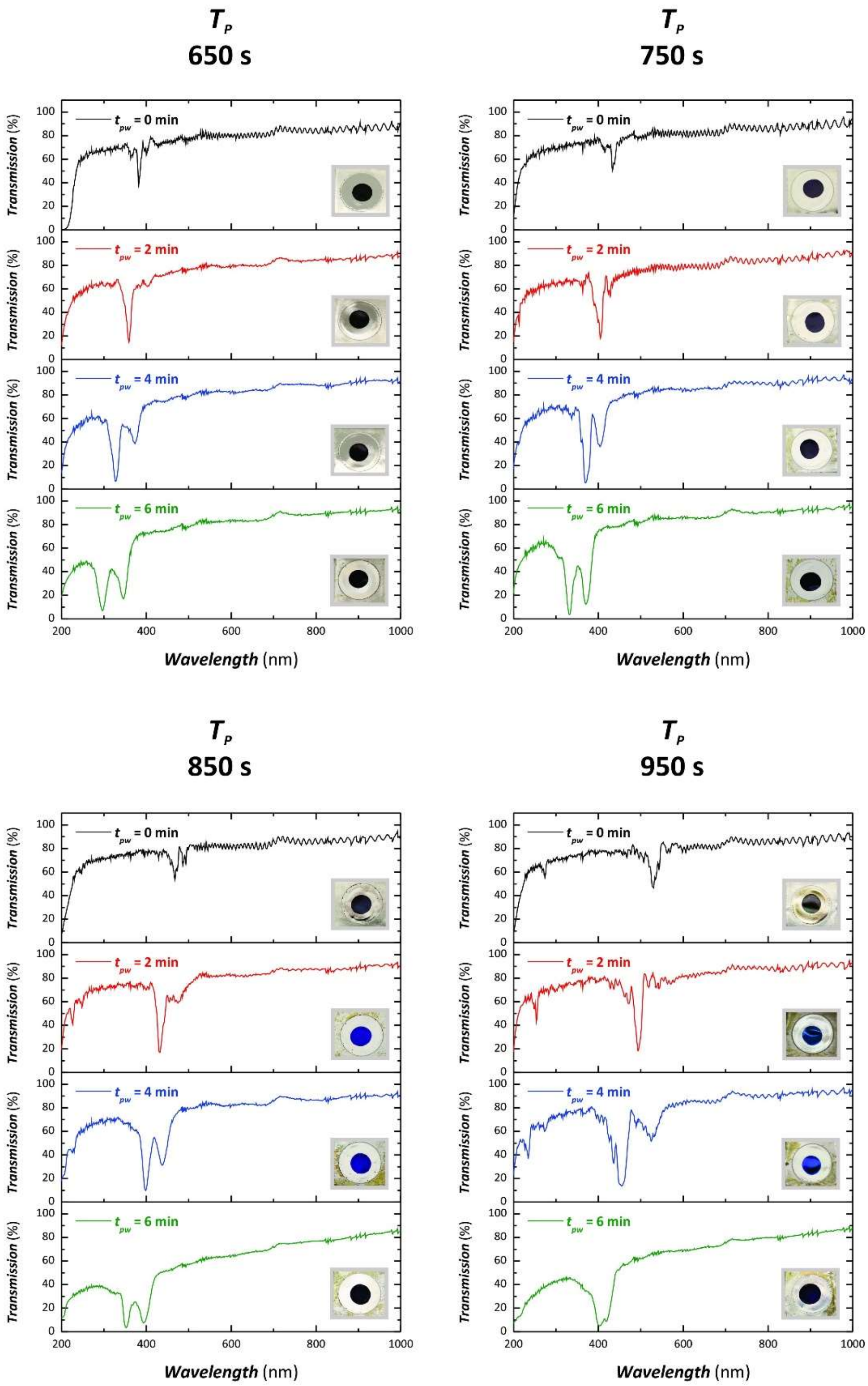

Figure S6. UV-visible-NIR transmission spectra and digital pictures of NAA-GIFs produced by ASPA (logarithmic negative with A_{max}-A_{min} = 0.210 mA cm^{-2}) as a function of the anodisation period and the pore widening time.

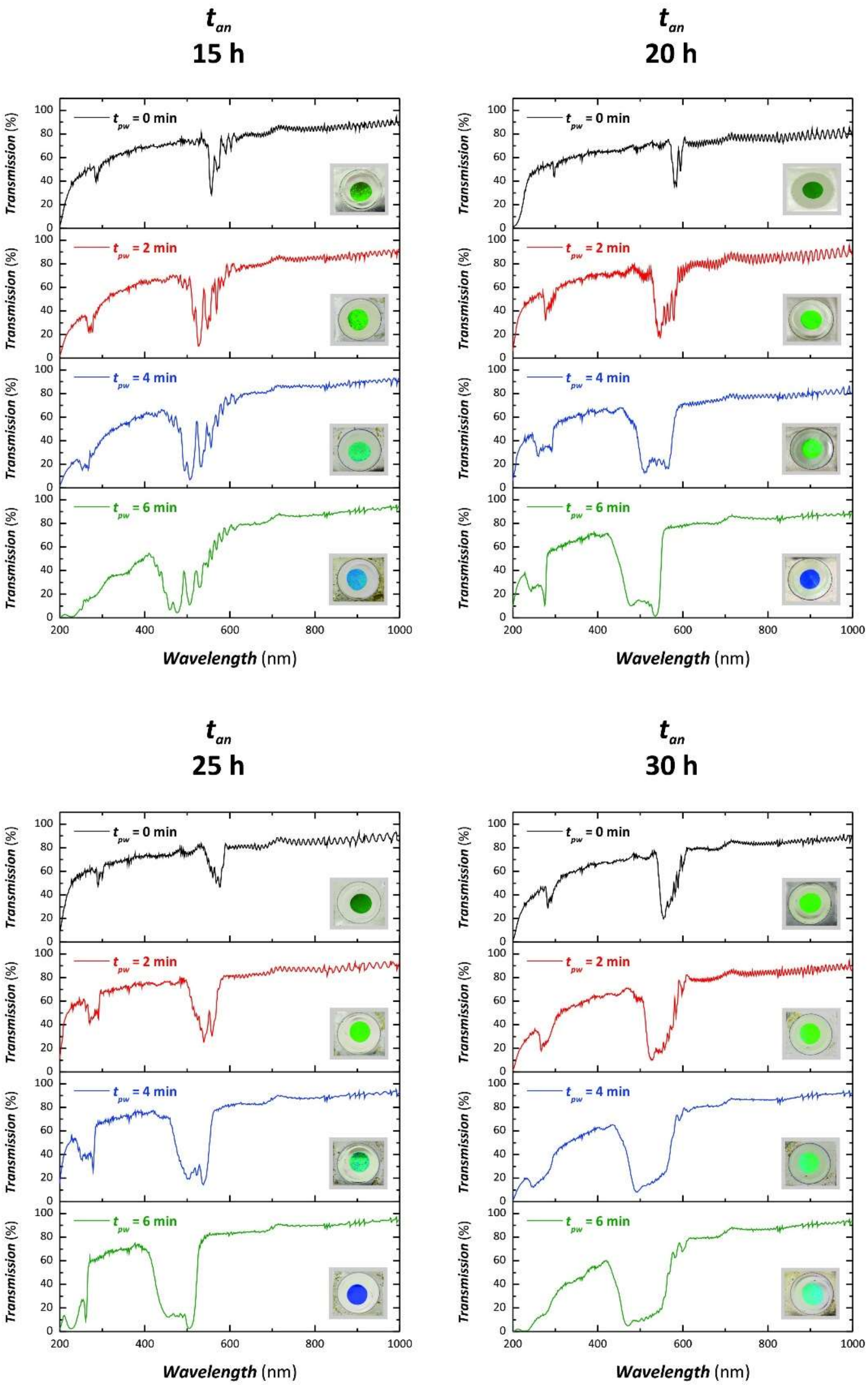

Figure S7. UV-visible-NIR transmission spectra and digital pictures of NAA-GIFs produced by SPA (non-apodized) as a function of the anodisation time and the pore widening time.

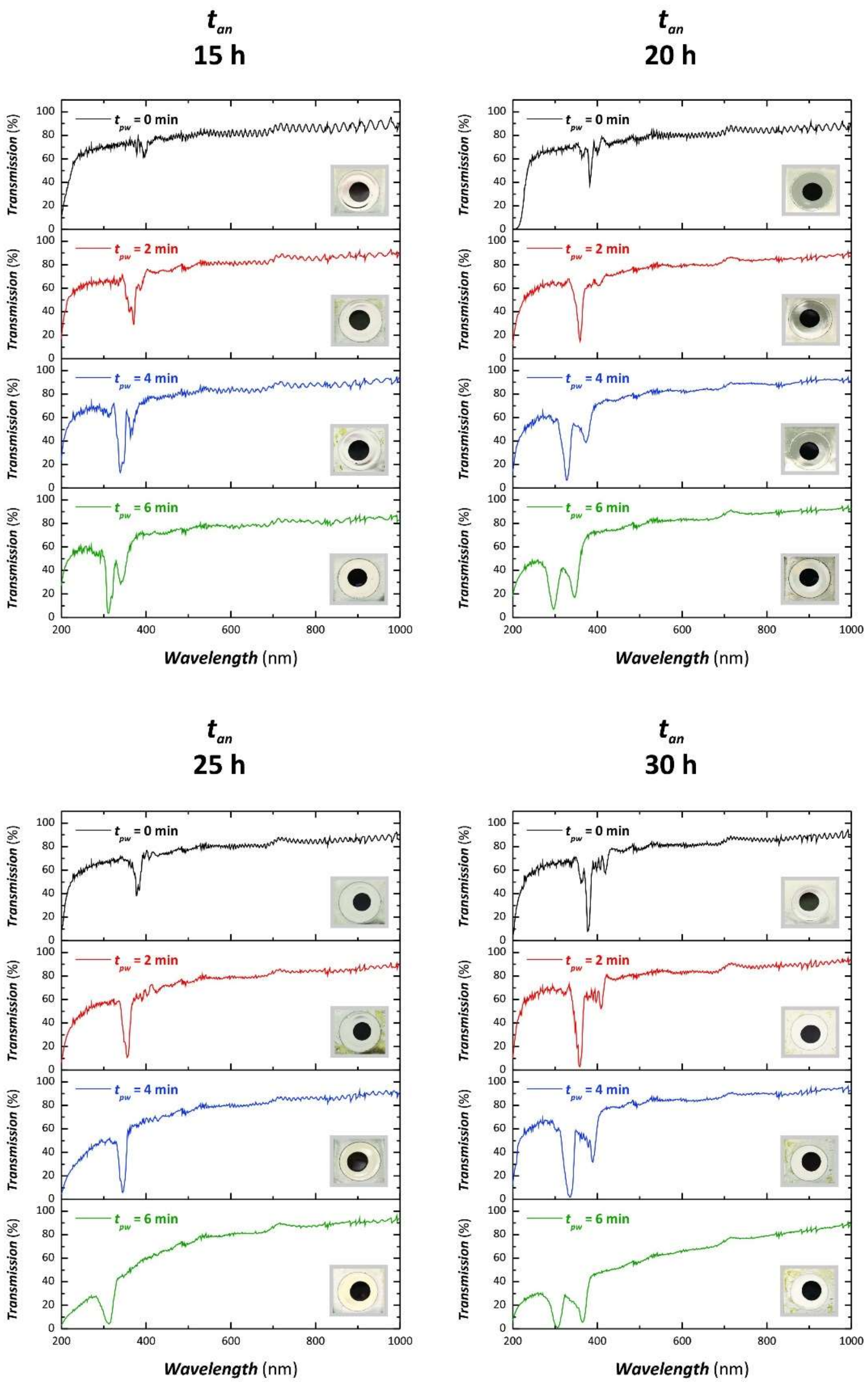

Figure S8. UV-visible-NIR transmission spectra and digital pictures of NAA-GIFs produced by ASPA (logarithmic negative with A_{max}-A_{min} = 0.210 mA cm^{-2}) as a function of the anodisation time and the pore widening time.

Table S1 compiles the different values of A_{max}, A_{min} and A_{max}-A_{min} used to produce apodized NAA-GIFs.

$\boldsymbol{A_{max}}$ (mA cm^{-2})	$\boldsymbol{A_{min}}$ (mA cm^{-2})	$\boldsymbol{A_{max}}$-$\boldsymbol{A_{min}}$ (mA cm^{-2})
0.420	0.420	0.000 (non-apodized)
0.420	0.000	0.420
0.420	0.105	0.315
0.210	0.000	0.210
0.420	0.315	0.105
0.630	0.000	0.630
0.840	0.000	0.840